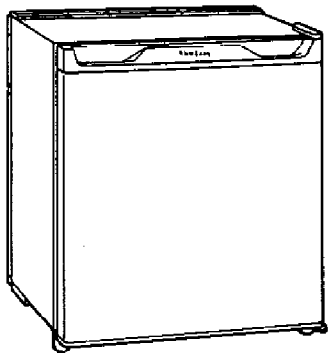
ORDER NBR. REFD990101C1
E13

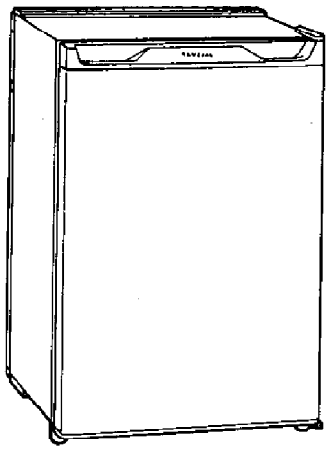
Service Manual

Minibar

NR-A4U1, AL4U1, AK4U1, AKL4U1
A6U1, AL6U1, AK6U1, AKL6U1



NR-A4U1



NR-A6U1

Model	Key	Opening
NR-A4U1	No	Right
NR-AK4U1	Yes	Right
NR-AL4U1	No	Left
NR-AKL4U1	Yes	Left
NR-A6U1	No	Right
NR-AK6U1	Yes	Right
NR-AL6U1	No	Left
NR-AKL6U1	Yes	Left

EXPLANATION OF COLOR CODE

The suffix of model number shows the color of that unit as in the following table.

Suffix	Color
W	White
K	Black

CONTENTS

	Page
SAFETY PRECAUTIONS	2
MODEL SPECIFICATION	3
PRINCIPLE OF PELTIER EFFECT	5
NEW PELTIER COOLING SYSTEM	6
SYSTEM CONTROL AND SELF DIAGNOSTICS	7
TROUBLE-SHOOTING GUIDE	8
DISASSEMBLY AND PARTS REPLACEMENT PROCEDURE	9
WIRING DIAGRAMS	18
PARTS LOCATION	19
REPLACEMENT PARTS LIST	21

"WARNING! This Service Manual is designed for experienced repair technicians only and is not designed for use by the general public.It does not contain warnings or cautions to advise non-technical individuals of potencial dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the products dealt with in this Service Manual by anyone else could not result in serious injury or death."

The service technician is required to read and follow the "Safety Precautions" in the Service Manual.

Panasonic®

copyright © 2000 by Matsushita Electric Corporation of America.All rights reserved.

SAFETY PRECAUTIONS

WHILE SERVICING THIS PRODUCT PLEASE OBSERVE THE FOLLOWING GUIDELINES AND SAFETY PRECAUTIONS:

To avoid product damage or personal injury, please pay attention to the warning and caution signs appearing in this manual or on the product.

⚠ **Warning**	May cause serious injuries and death.

⚠ **Caution**	May cause injuries and or damage.

Use only genuine Panasonic replacement components and parts.

Verify that wire components and screws are in the correct Position.

After repair has been completed, verify that their resistance between earth and AC plug is not less than 1MΩ.

The aluminum fins on the heat exchangers are sharp and may cause injury.

MODEL SPECIFICATIONS

NR-A4U1,NR-AK4U1,NR-AL4U1,NR-AKL4U1

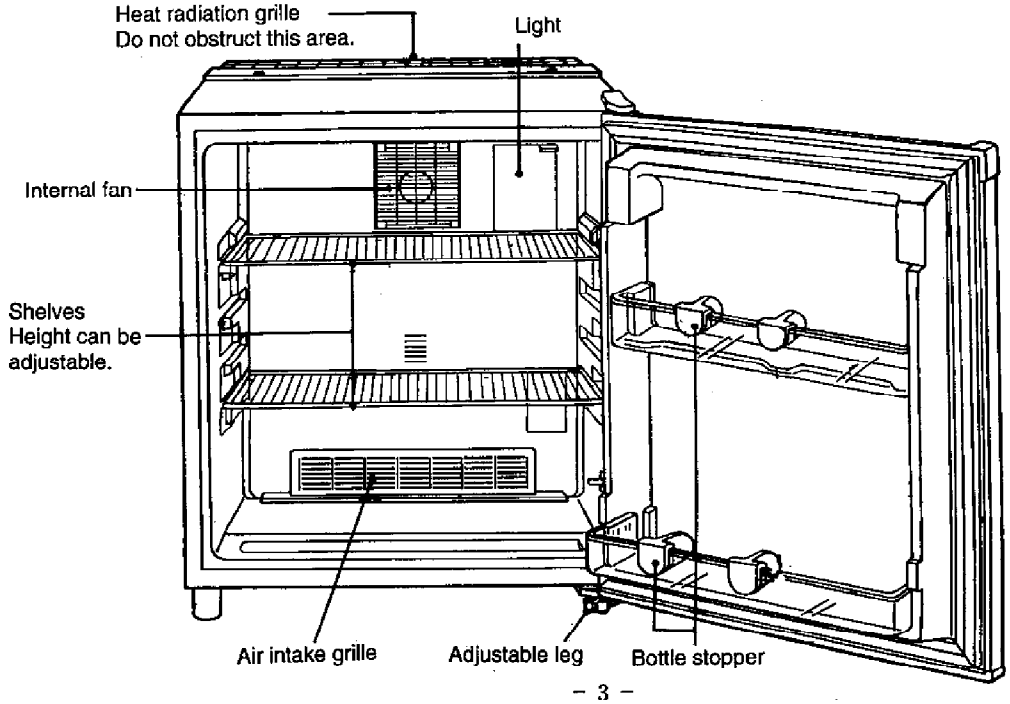
Product

Compartment Volume	1.4 Cu. ft
External Dimensions width (In.) Depth (In.) Height (In.)	 18 1/8 18 1/2 21 3/4
Weight (lbs)	33
Voltage	120V (AC),60HZ
Power Consumption	130W
Cooling Method	Fan circulation system
Temperature Control	Electronic thermostat at 41°F (+/— 4.5)
Defrosting	Automatic start by computer Automatic stop by MCC sensor
Outer Cabinet Material	Steel plate with acrylic painting
Inner Cabinet Material	A.B.S. resin
Door Panel	Steel with polyester painting
Inner Door Panel	A.B.S. resin
Insulation	Foam Polyurethane (Cyclopentane)
Brine	11.3 FL.OZ (310ml)

Component

Peltier Module Model Power	 6360/127/060B/C01 (2 Modules) Max. 6 Amp./26V DC
Circulation Pump Model Power	Located on heat dissipation side MM9-561 DC12V/0.3 Amp.
Inner Fan Motor	FBA 09A 12L2D
Outer Fan Motor	FBA 10B 12W2C
Light	120V/10W
Power Supply Cord	6.5ft. Grounded

MAJOR COMPONENTS



MODEL SPECIFICATIONS

NR-A6U1,NR-AK6U1,NR-AL6U1,NR-AKL6U1

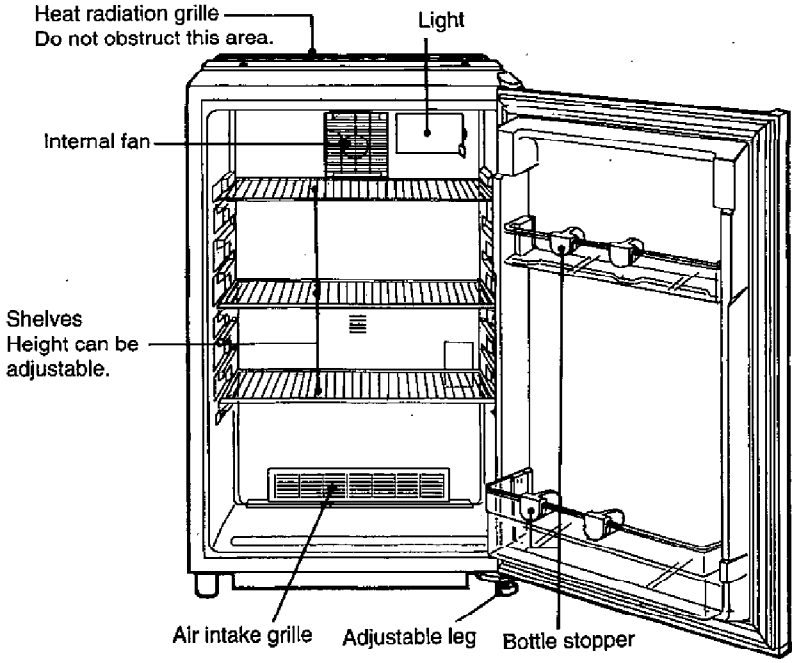
Product

Compartment Volume	2.0 Cu. ft
External Dimensions width (In.) Depth (In.) Height (In.)	 18 1/8 18 1/2 28 3/4
Weight (lbs)	37
Voltage	120V (AC),60HZ
Power Consumption	145W
Cooling Method	Fan circulation system
Temperature Control	Electronic thermostat at 41°F (+/— 4.5)
Outer Cabinet Material	Steel plate with acrylic painting
Inner Cabinet Material	A.B.S. resin
Door Panel	Steel with polyester painting
Inner Door Panel	A.B.S. resin
Insulation	Foam Polyurethane (Cyclopentane)
Brine	(Cold side) 6.7 FL.OZ (185ml) (Hot side) 16.3 FL.OZ (450ml)

Component

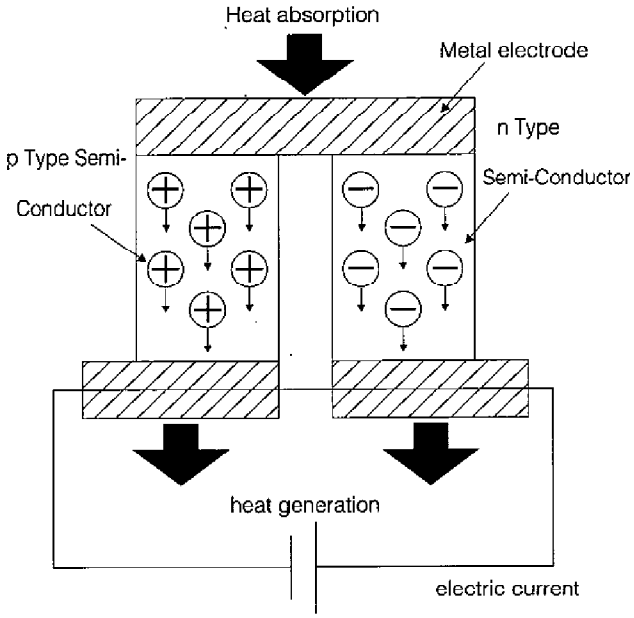
Peltier Module Model Power	 6360/127/060B/C01 (2 Modules) Max. 6 Amp./26V DC
Circulation Pump Model Power	Located on heat dissipation side & cold side MM9-561 (2 pumps) DC12V/0.3 Amp.
Inner Fan Motor	FBA 09A 12L2D
Outer Fan Motor	FBA 10B 12W2C (2 fans)
Light	120V/10W
Power Supply Cord	6.5ft. Grounded

MAJOR COMPONENTS



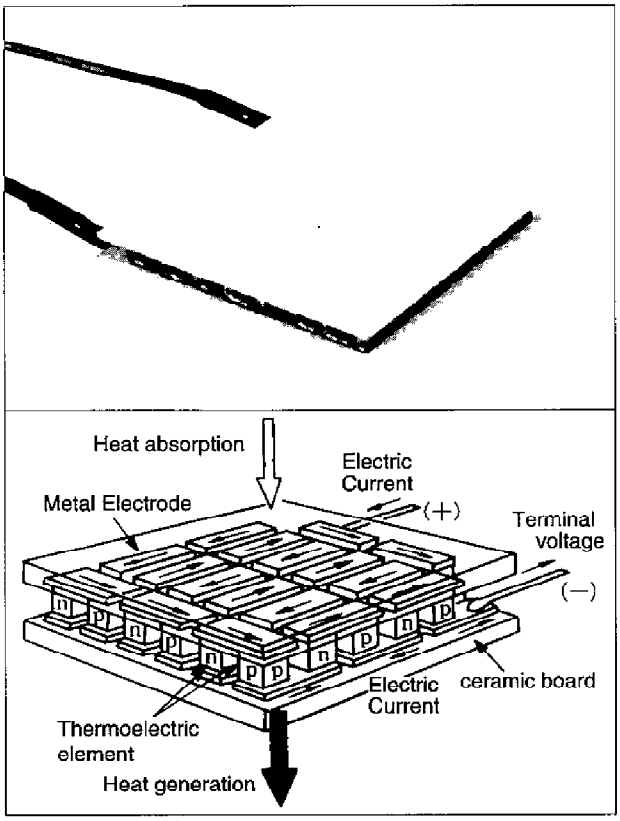
PELTIER EFFECT PRINCIPLE

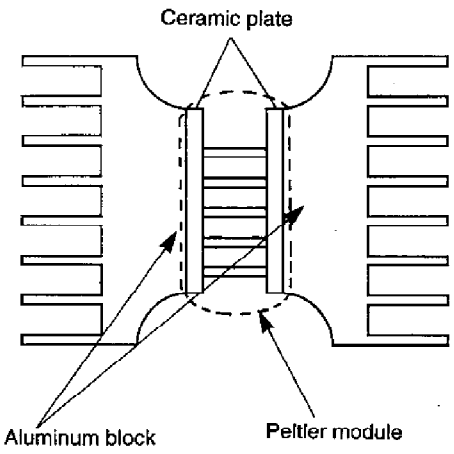
The peltier effect occurs when two attached semi-conductors (P type and N type) when subjected to DC current allow one to generate heat and the other to absorb heat. (See diagram.)



Peltier Element Mechanism

●Peltier module





NEW PELTIER COOLING SYSTEM

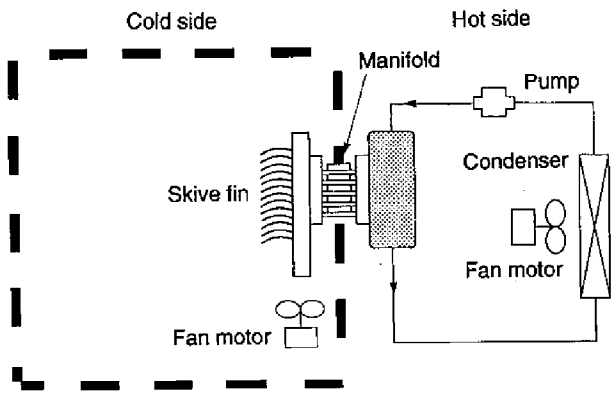
The new Peltier cooling system has improved heat transfer efficiency.

NR-A6U1 has two brine circulation circuits, both inside and outside.

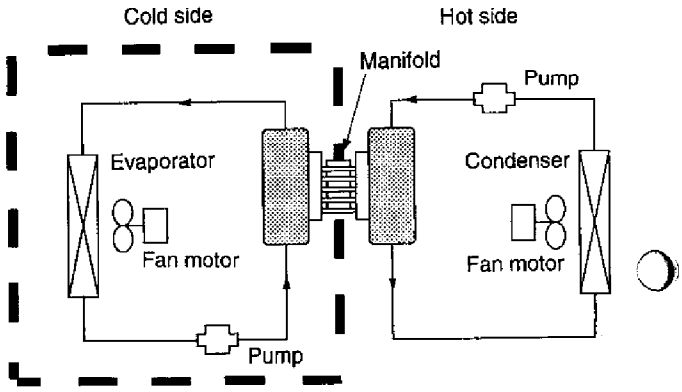
NR-A4U1 has a brine circulation circuit only outside.

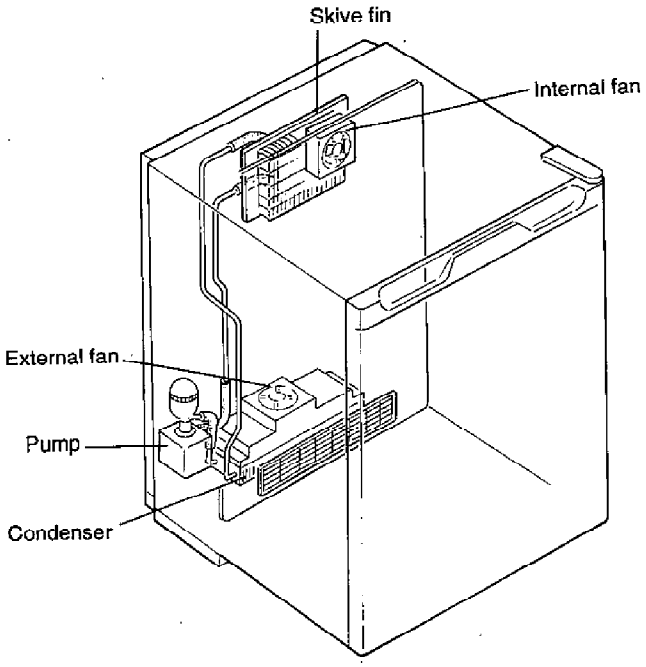
The internal heat exchanger for NR-A4U1 is skive fin type.

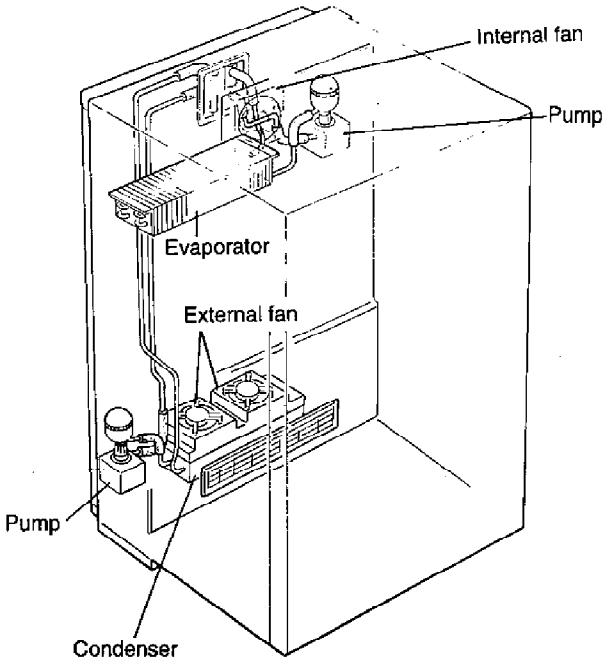
(NR-A4U1 series)



(NR-A6U1 series)







SYSTEM CONTROL AND SELF DIAGNOSTICS

1.Temperature Control

The compartment temperature is automatically maitained at 41°F±4.5°F (=5℃±2.5℃) via an electronic temperature control circuit. The fan motor inside the compartment and heat circulation pump runs when the power supply cord is plugged in.

Two sensors (PCC and ATC) detect temperatures and control the voltage which is applied to the Peltier module. This voltage may vary from 0 to 26V in 16 steps.

2.Defrost control (NR-A4U1,AL4U1,AK4U1,AKL4U1)

The Peltier module will turn off automatically every 27 hours to defrost and resume operation once the MCC sensor temperature rises to 34°F. During this process, fan motor and the circulation pump continue to operate.

3.Temperature auto-stop

The Peltier module, fan motor and circulation pump will turn off when the outer air temperature exceeds 113°F and will resume the operation when temperature drops below 111. 3°F.

4.Self-checking function

This product has a built-in self diagnostic system. There are four LEDs located on the control P.C.B. which indicate specific malfunctions. See table below .

SELF-CHECK FUNCTION CHART

LD1	LD2	LD3	LD4	Condition or Component failure	Check point	Indication	Result	* model
●	●	●	○	Outer pump	Outer pump circuit	Outer sensor temperature of 149°F sustained over 30sec.	Inoperative	4&6
●	●	○	●	Cooling fan	Cooling fan circuit	Evaporator sensor has reached 21.2°F	Inoperative Activity resumes when it reaches to 33°F	4
●	○	●	●	High ambient temperature	Confirm ambient temperature	Ambient temperature sensor has reached over 113°F	Inoperative Activity resumes when it reaches to 111°F	4&6
○	●	●	○	PCC sensor	PCC sensor circuit	Short circuit or wire breaks	Operative. Peltier voltage reduced to 10V (voltage step 6)	4&6
○	●	○	●	Ambient temperature sensor	Ambient temperature sensor circuit	Short circuit or wire breaks	Operative. Peltier voltage reduced to 10V (voltage step 6)	4&6
○	○	●	○	MHC sensor	MHC sensor circuit	Short circuit or wire breaks	Inoperative	4&6
○	○	○	●	MCC sensor	MCC sensor circuit	Short circuit or wire breaks	Inoperative	4

○Light on
●Light off

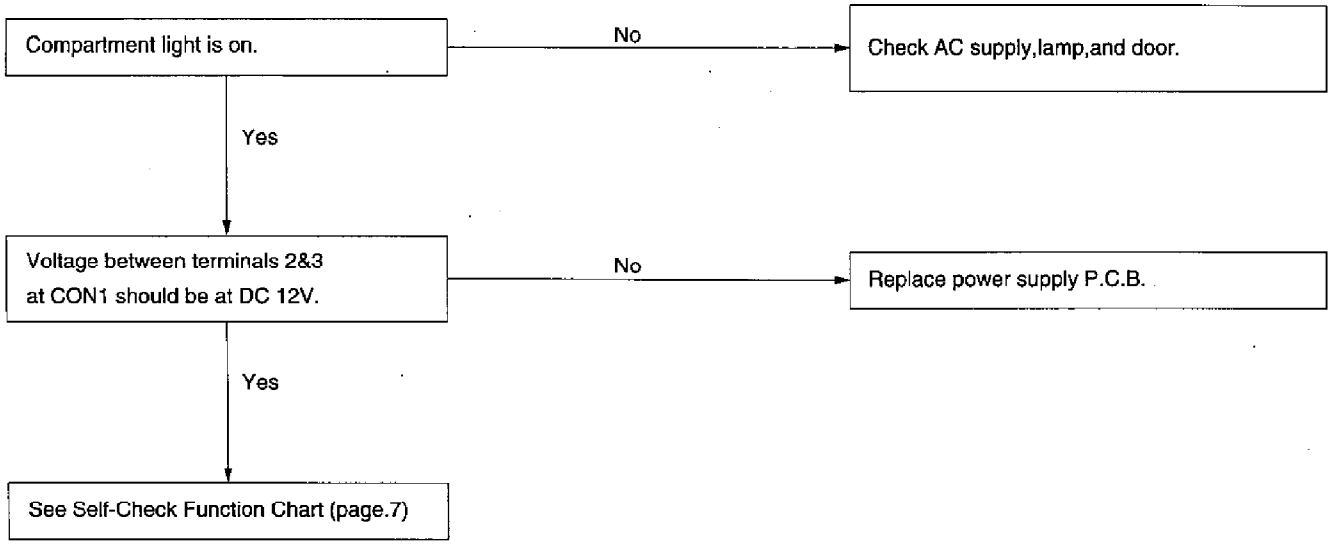
＊4&6……NR-A4U1.AL4U1.AK4U1.AKL4U1　NR-A6U1.AL6U1.AK6U1.AKL6U1
＊　4……NR-A4U1.AL4U1.AK4U1.AKL4U1
＊　6……NR-A6U1.AL6U1.AK6U1.AKL6U1

If more than one problem exists.
①The LED (s)for the first problem will light for 2 seconds.
②Next the LED(s)for the second problem will light for 2 seconds.
③Next the LED(s)will all turn off for 2 seconds.
④Then it returns to action ① and repeats action ② and ③

TROUBLESHOOTING GUIDE

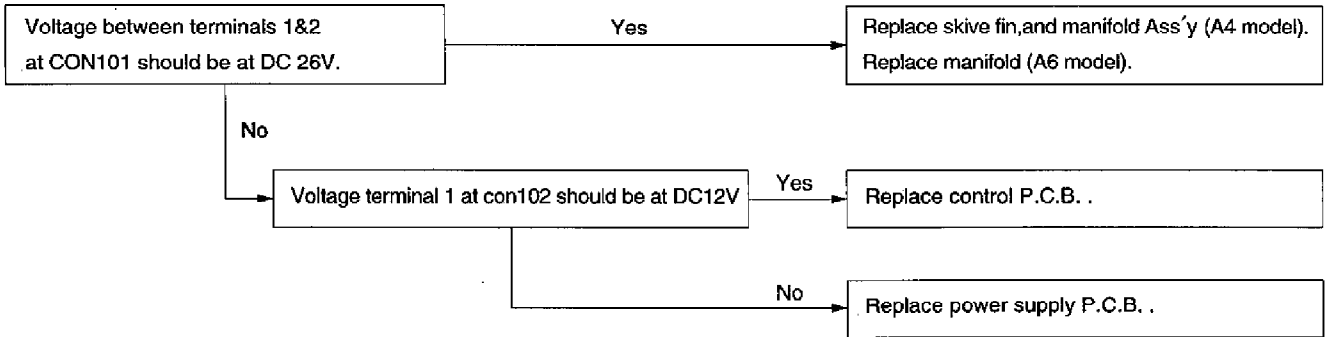
NO COOLING

All pumps and fans,inside,outside,stop operation.



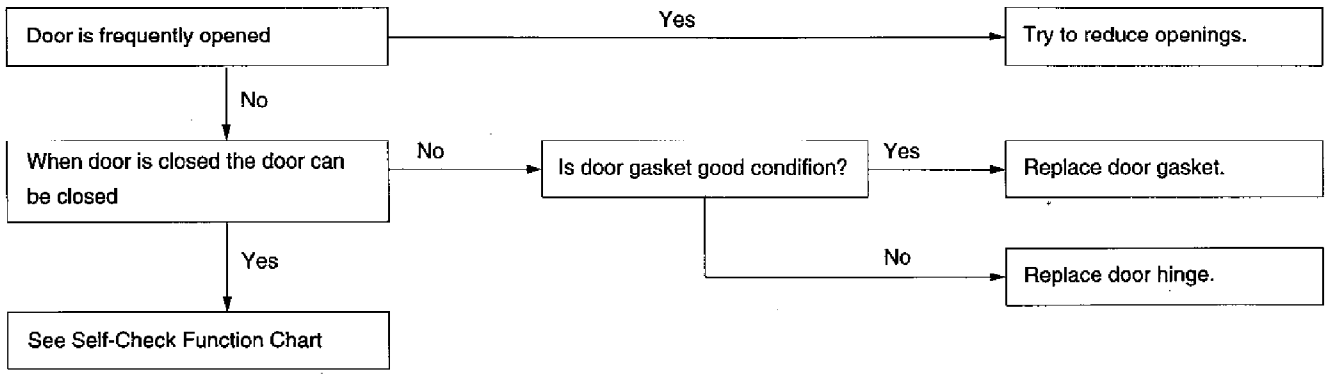
NO COOLING

All pumps and funs operate normally.


Voltage between terminals 1&2
at CON101 should be at DC 26V.
Yes
Replace skive fin,and manifold Ass'y (A4 model).
Replace manifold (A6 model).
No
Voltage terminal 1 at con102 should be at DC12V
Yes
Replace control P.C.B. .
No
Replace power supply P.C.B. .

INSUFFICIENT COOLING

All pumps and fans operate normally.



- In the event of in the PCC sensor or ATC sensor, the voltage will decrease to 10V (Peltier voltage level 6) and continue to operate. When the ambient temperature rises to 86°F, the compartment temperature will increase to approximately 57°F.

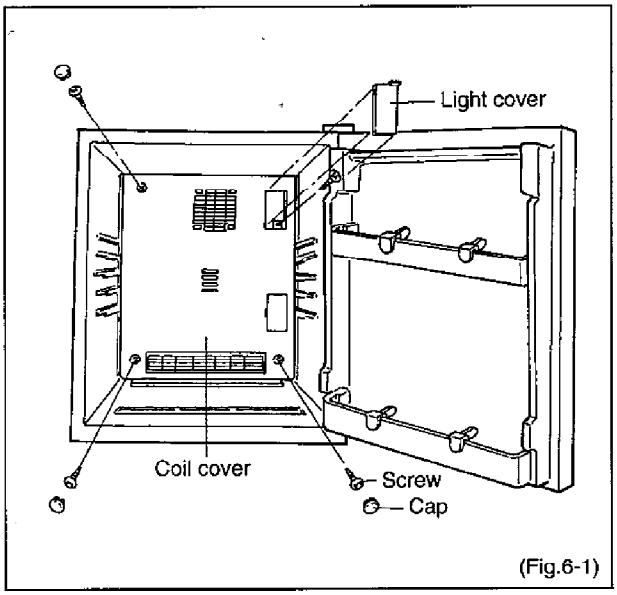
DISASSEMBLY AND PARTS REPLACEMENT PROCEDURE

(NR-A4U1,AL4U1,AK4U1,AKL4U1)

PCC Internal fan

1.Remove shelves and light cover.

2.Remove 3 caps and 4 screws from the coil cover.(Fig.6-1)

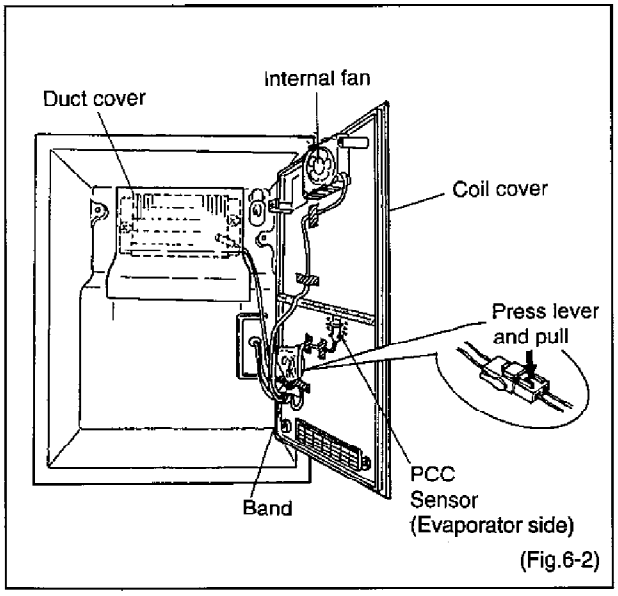


(Fig.6-1)

3.Remove by pulling outwards. (Fig.6-2)

4.Remove plastic cover from wires and unlock the 2 connectors.

5.Remove PCC and Internal fan.



(Fig.6-2)

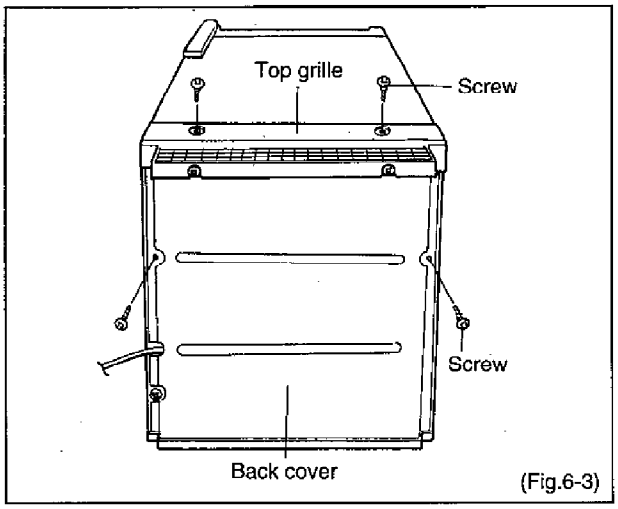
⚠ Precautions when reassembling

1.Secure compartment sensor into the original position.

2.Secure 4 rubber cushions to fan motor's corners and reinsert into place. Label should face grille.

Power supply P.C.B. and control P.C.B.

1.Remove 4 screws from the back cover and pull it upwards. (Fig.6-3)



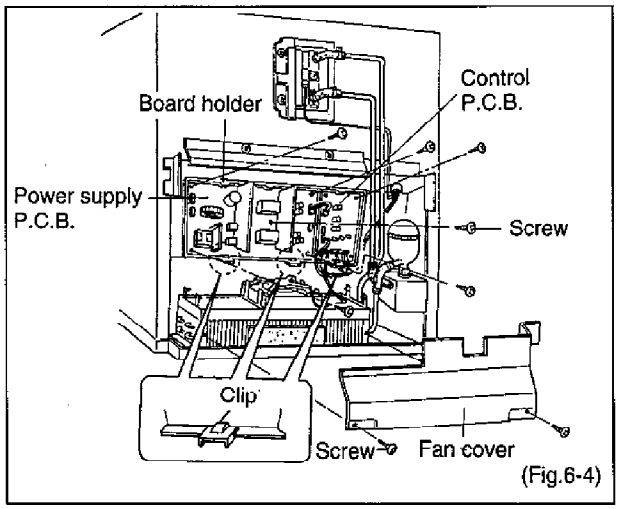
(Fig.6-3)

2.Remove 2 screws from the fan cover to remove.(Fig.6-4)

3.Unplug 8 connectors from the control P.C.B. or 4 connectors from power supply P.C.B..

4.Remove the control circuit board or power supply P.C.B. by removing 6 screws.

5.Pull side clips to remove both P.C.B..



(Fig.6-4)

⚠ Warning!

- Be careful with electric shocks or injury.
- To avoid an electric shock or injury do not touch any live parts.
- When energized, power supply P.C.B. carry high voltage and are dangerous.
- Wait at least 3 minutes after unplugging the minibar before servicing.

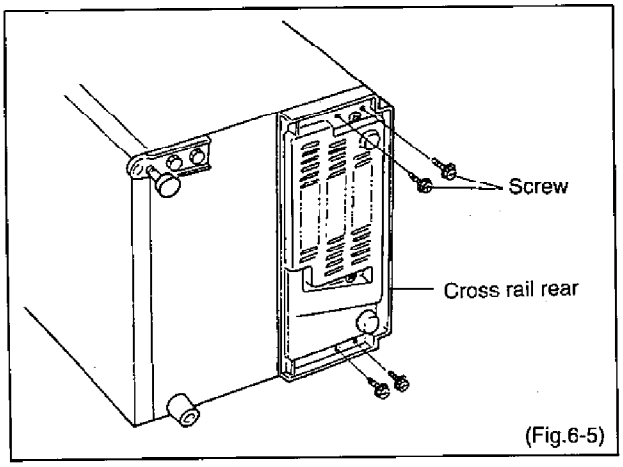
ATC sensor

1.Remove beverages and shelves from the minibar.

2.Remove back cover. (See Power Supply and control P.C.B.)

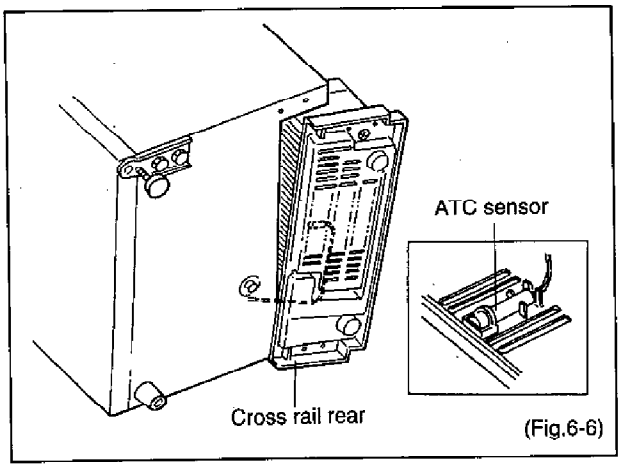
3.Lay the minibar carefully on its side to avoid damage.

4.Use nut driver to remove 4 bolts to remove cross rail rear.



(Fig.6-5)

5.Pull cross rail rear outwards and carefully take out the ATC sensor.



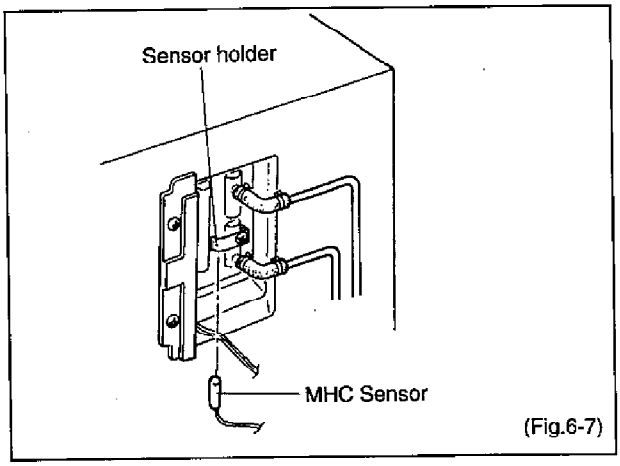
(Fig.6-6)

MHC sensor

1.Remove 4 screws from the back cover and pull upwards.

2.Loosen sensor holder without removing the holding screw.

3.Release MHC sensor by pulling down.



(Fig.6-7)

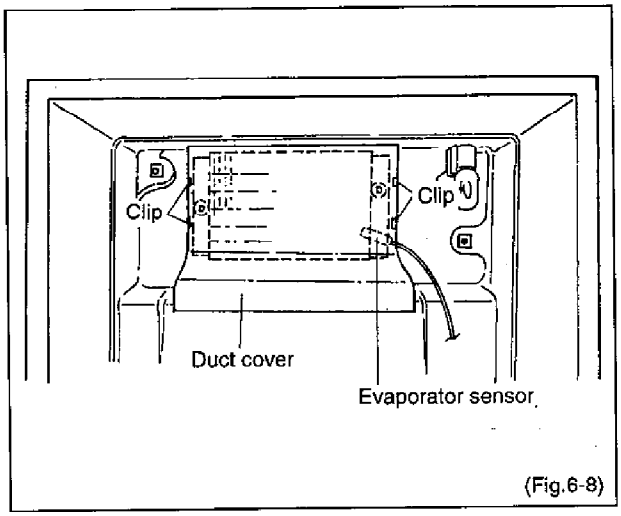
MCC sensor

1.Remove 3 caps and 4 screws from the sensor.

2.Pull to extract coil cover.

3.Extract duct cover.

4.Release sensor from Skive fin.



(Fig.6-8)

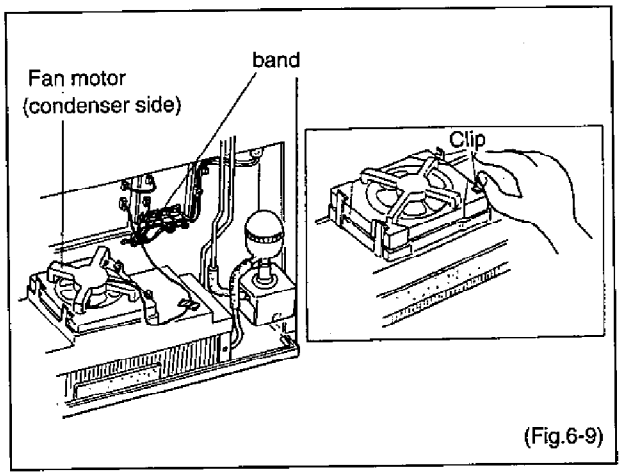
External fan motor

1.Remove 4 screws and remove cover.

2.To remove fan cover and remove 2 screws.

3.Remove 4 rubber cushions outward and carefully remove External fan.

4.Cut plastic band covering wires and remove connectors from the P.C.B..



(Fig.6-9)

⚠ Precautions when reassembling

1.Make sure condenser fan motor label is facing up.

2.Be careful with metal edges near the fan motor.

OUTER CIRCULATION PUMP

1.Remove 4 screws and remove back cover.

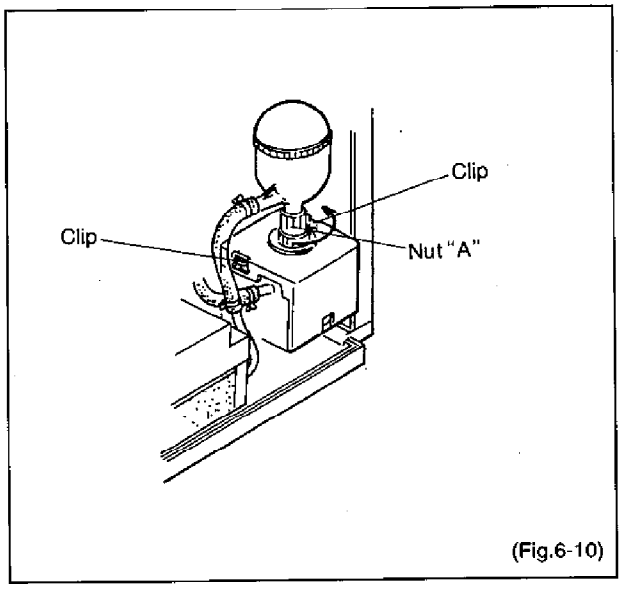
2.Carefully remove brine from the circulation circuit. (See next page)

3.To remove the expansion chamber turn nut "A" counter-clockwise.

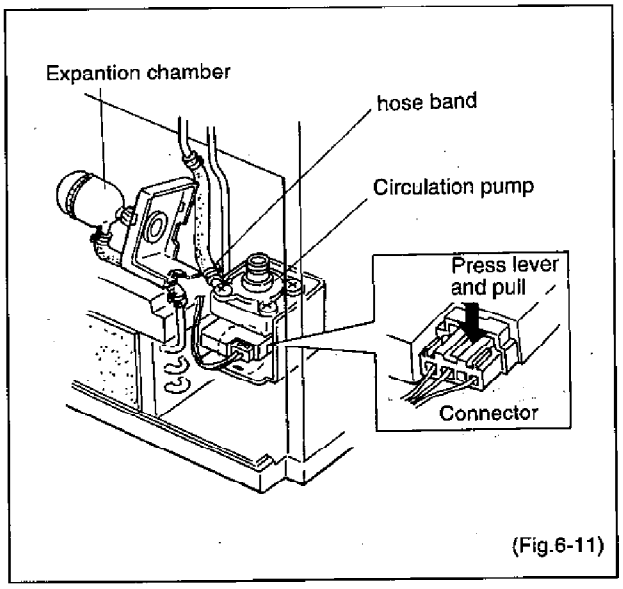
4.Remove pump cover by releasing side clips and remove.

5.Use pliers to remove hose band attached to the pump outlet, then remove hose.

6.Remove connectors.



(Fig.6-10)



(Fig.6-11)

SKIVE FIN AND MANIFOLD ASSEMBLY

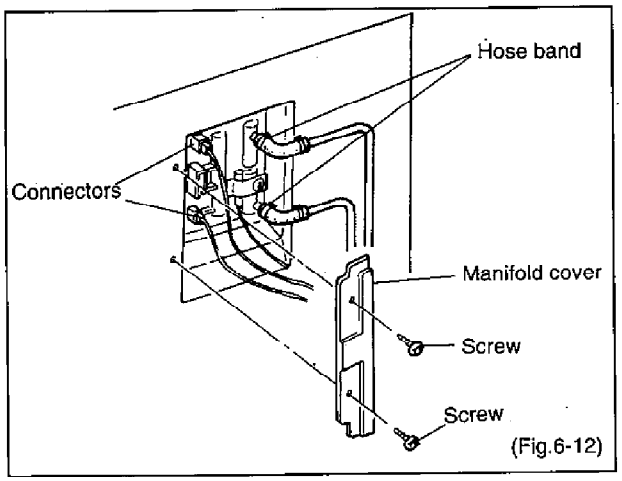
1.Remove 4 screws and extract back cover.

2.Remove coil cover assembly. (See page. 10)

3.Remove 2 screws from manifold cover.

4.Remove 2 Peltier connectors and MHC sensor.

5.Loosen the hose bands and remove then it from manifold.

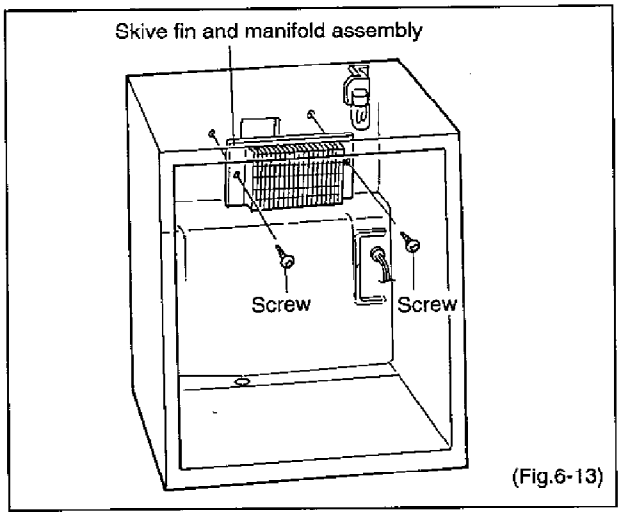


(Fig.6-12)

6.Remove hose.

7.Remove 3 screws from skive fin on the inside of the compartment.

8.Pull the skive fin and manifold assembly towards.



(Fig.6-13)

⚠ Precautions when reassembling

1.Make sure that both sensors (MCC and MHC)are assembled into the original position.

2.Replenish the chamber with the indicated amount of brine (see tablet page 3).

3.Secure hose tightly to avoid brine leakage.

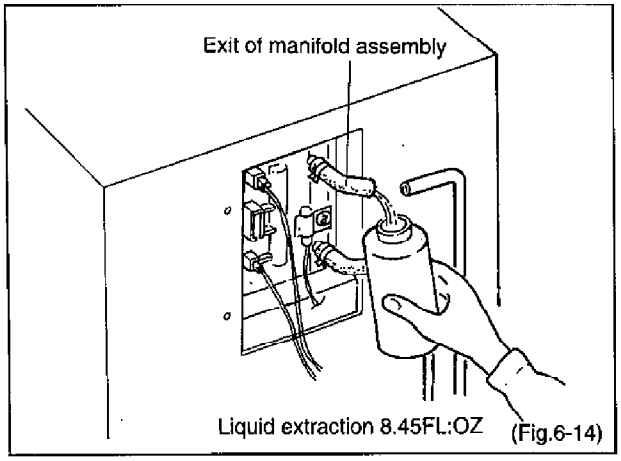
BRINE REMOVAL

In case of failure of pump,skive fin and manifold A´ssy, leakage of brine,brine removal is needed.

1.Unplug the AC cord.

2.Remove the copper tube from the hose by loosening the clamp.
Use a polyethylene bottle to collect the brine from the system. (Fig.6-15)

3.To remove remaining brine from the circuit pump, plug the AC cord into the AC outlet for 20 sec.



(Fig.6-14)

⚠ PRECAUTIONS DURING REMOVING

1.Always disconnect connector CON101 from the power supply P.C.B. to avoid supply voltage contact with the Peltier module.

2.Place a cloth under the minibar to keep the floor clean when removing the hose.

3.Unless necessary, do not operate the circuit pump if it does not contain brine.

⚠ CAUTION!

Be careful with the edges of the skive fin and condenser fins.

BRINE REPLENISHMENT

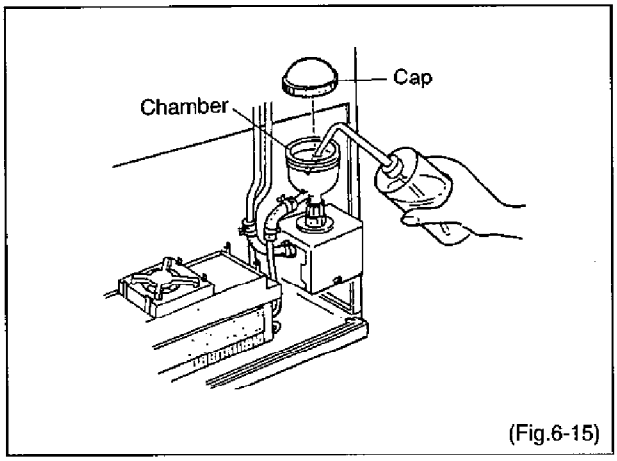
1.Remove cap from the chamber and add 1.4-1.7 FL.OZ of brine, then plug the minibar in.

2.The level of brine will then decrease. To adjust it, unplug and refill the chamber as many times as necessary until it reaches the fill line. Keep the cap open during the process.

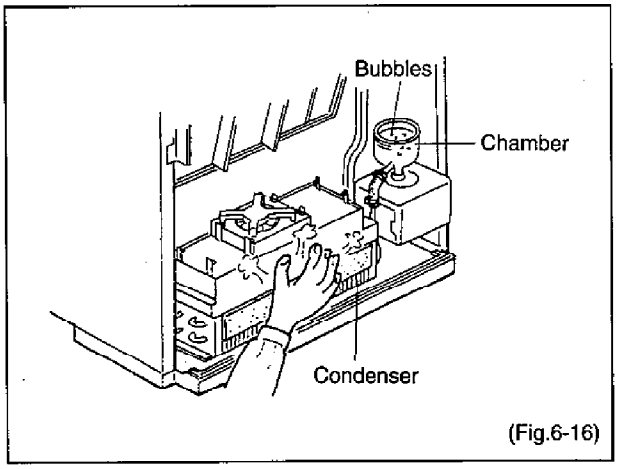
3.After adding brine, tap the condenser for 5-6 minutes to release any trapped air bubbles from the system. (Fig.6-15)

4.Continue to add brine until it reaches the indicated level .

5.Close cap.



(Fig.6-15)



(Fig.6-16)

⚠ Precautions when pouring

1.Never dilute brine with tap water. The minerals content of the water will affect the functioning of the minibar and an earlier freezing point will be reached.

2.Ensure a cloth covers the floor when pouring brine.

3.Check for possible leakage.

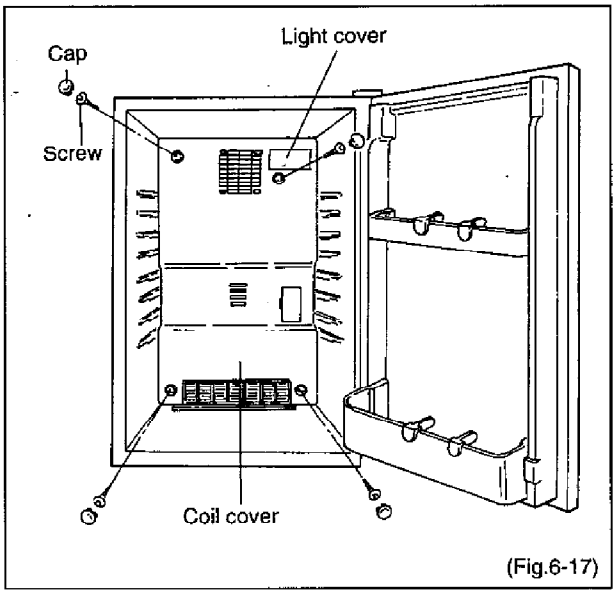
4.Before closing the cap, check that the chamber is free of air bubbles and that the correct level has been reached.

(NR-A6U1,AL6U1,AK6U1,AKL6U1)

PCC Internal fan

1.Remove shelves and light cover.

2.Remove 4 caps and 4 screws from the coil cover.(Fig.6-17)

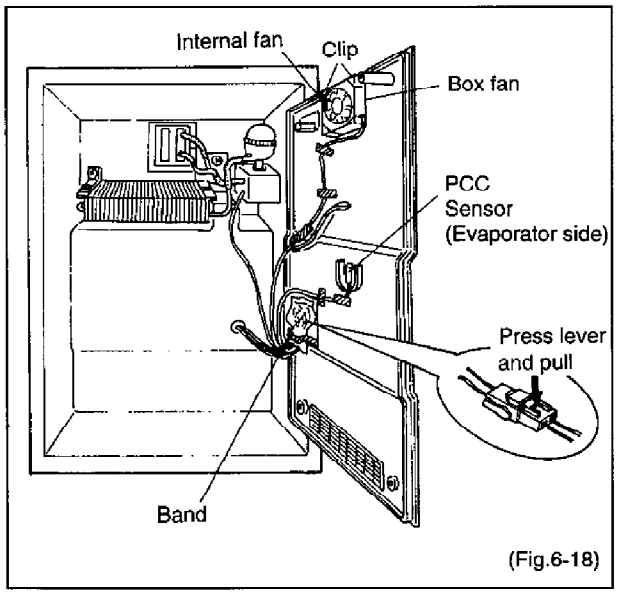


(Fig.6-17)

3.Remove coil cover by pulling outwards. (Fig.6-18)

4.Remove plastic cover from wires and unlock the 2 connectors.

5.Remove PCC and Internal fan.



(Fig.6-18)

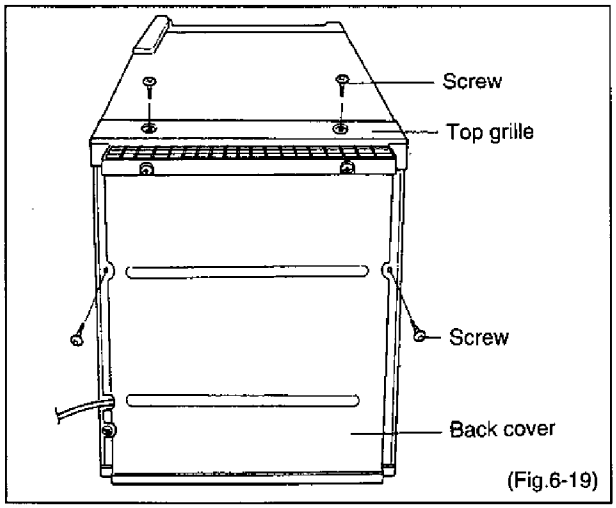
⚠ Precautions when reassembling

1.Secure compartment sensor into the original position.

2.Secure 4 rubber cushions to fan motor's corners and reinsert into place. Label should face grille.

Power supply P.C.B. and control P.C.B.

1.Remove 4 screws from the back cover and pull it upwards. (Fig.6-19)



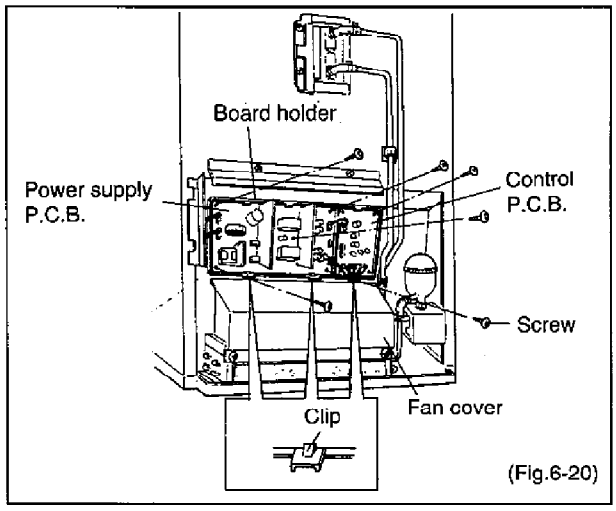
(Fig.6-19)

2.Remove 2 screws from the fan cover to remove. (Fig.6-20)

3.Unplug 8 connectors from the control P.C.B. or 4 connectors from power supply P.C.B..

4.Remove the control circuit board or power supply P.C.B. by removing 6 screws.

5.Pull side clips to remove both P.C.B..



(Fig.6-20)

⚠ Warning!

- Be careful with electric shocks or injury.
- To avoid an electric shock or injury do not touch any live parts.
- When energized, power supply P.C.B. carry high voltage and are dangerous.
- Wait at least 3 minutes after unplugging the minibar before servicing.

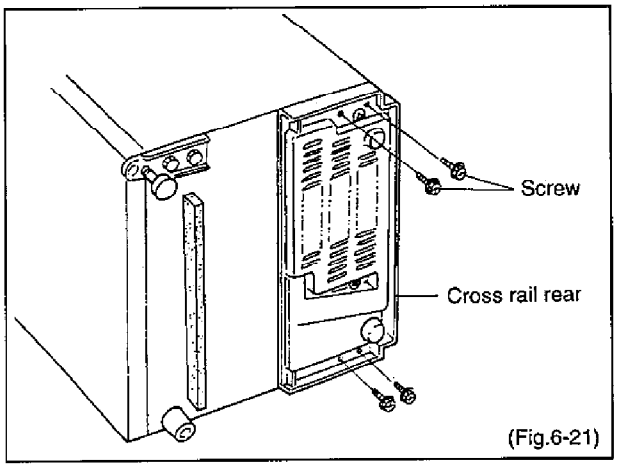
ATC sensor

1.Remove beverages and shelves from the minibar.

2.Remove back cover. (See Power Supply and control P.C.B.)

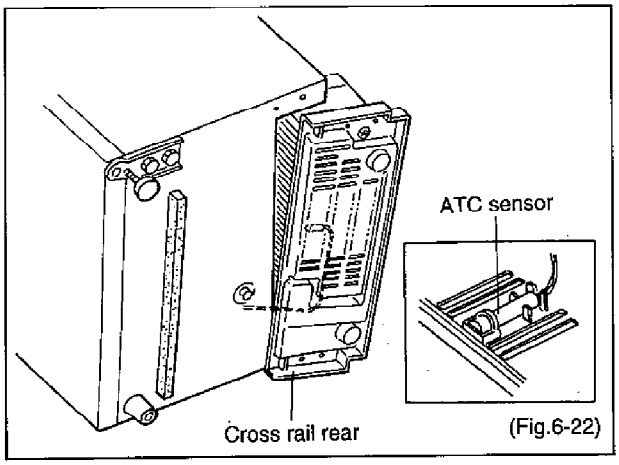
3.Lay the minibar carefully on its side to avoid damage.

4.Use nut driver to remove 4 bolts to remove cross rail rear.



(Fig.6-21)

5.Pull cross rail rear outwards and carefully take out the outer sensor.



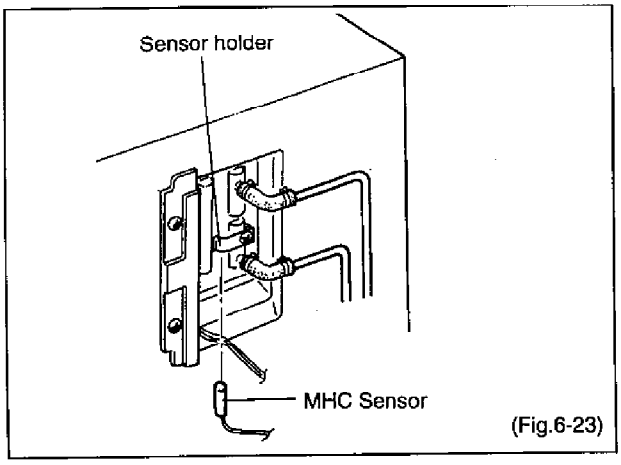
(Fig.6-22)

MHC sensor

1.Remove 4 screws from the back cover and pull upwards.

2.Loosen sensor holder without removing the holding screw.

3.Release MHC sensor by pulling down.



(Fig.6-23)

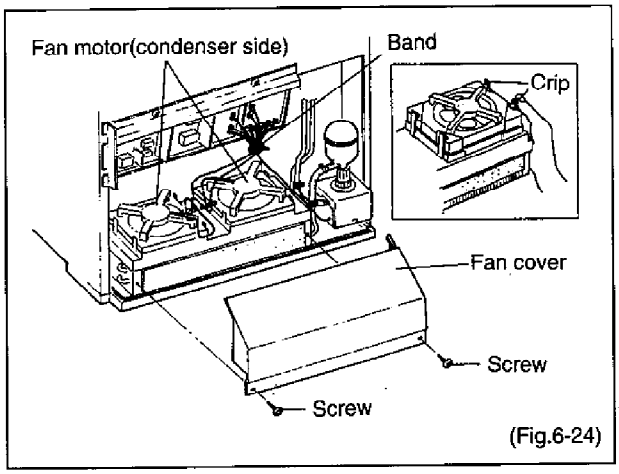
External fan motor

1.Remove 4 screws and cover.

2.To remove fan cover and remove 2 screws.

3.Remove 4 rubber cushions outward and carefully remove External fan.

4.Cut plastic band covering wires and remove connectors from the P.C.B..



(Fig.6-24)

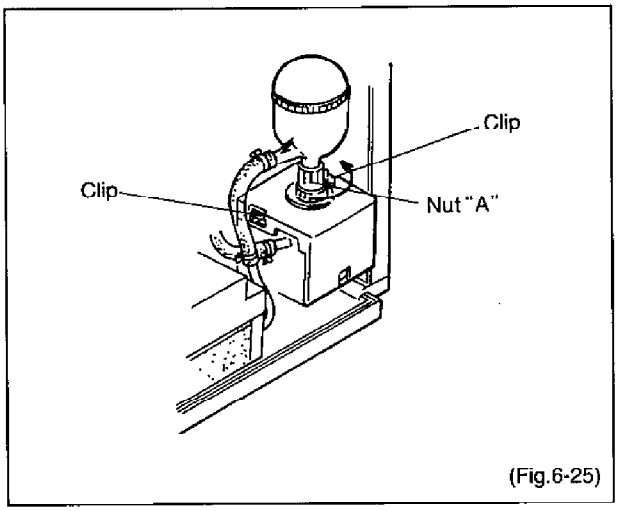
⚠ Precautions when reassembling

1.Make sure condenser fan motor label is facing up.

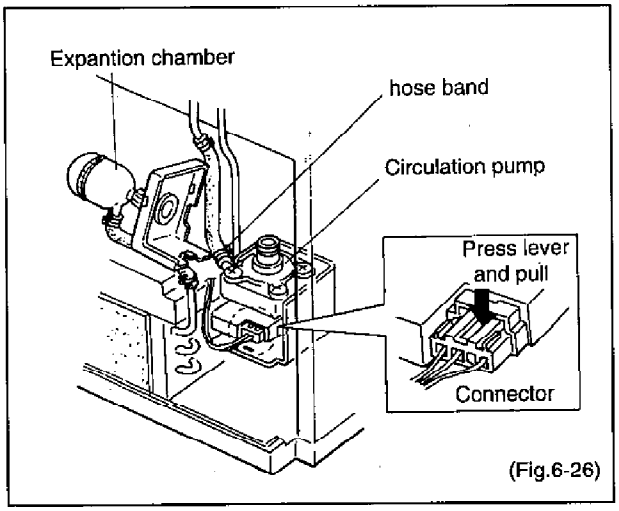
2.Be careful with metal edges near the fan motor.

OUTER CIRCULATION PUMP

1.Remove 4 screws and remove back cover.
2.Carefully remove brine from the circulation circuit.
(See next page)
3.To remove the expansion chamber turn nut "A" counter-clockwise.
4.Remove pump cover by releasing side clips and remove.
5.Use pliers to remove hose band attached to the pump outlet, then remove hose.
6.Remove connectors.



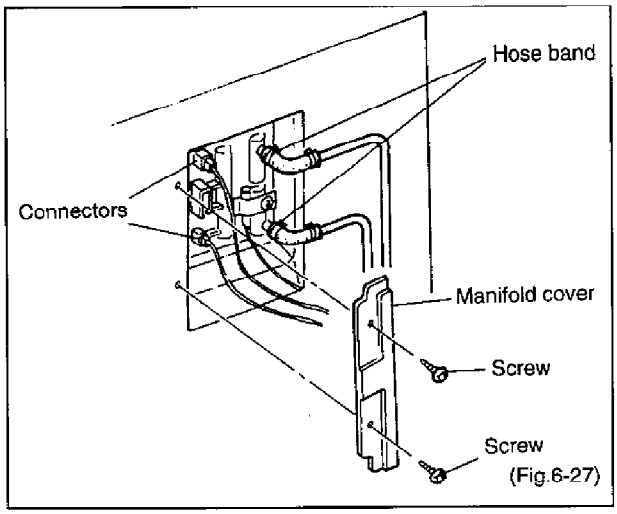
(Fig.6-25)



(Fig.6-26)

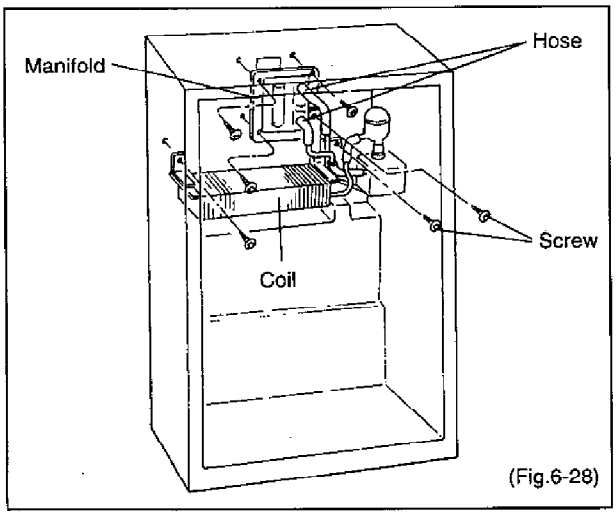
MANIFOLD ASSEMBLY

1.Remove 4 screws and back cover.
2.Carefully remove brine from the circulation circuit.
(See next page)
3.Remove coil cover assembly. (See pg. 14)
4.Remove 2 screws from manifold cover.
5.Remove 2 Peltier connectors and MHC sensor.
6.Loosen the hose bands and remove then it from manifold.



(Fig.6-27)

7.Remove hose.
8.Remove 3 screws from skive fin on the inside of the compartment.
9.Pull the skive fin and manifold assembly towards.



(Fig.6-28)

⚠ Precautions when reassembling

1.Make sure that both sensors (MCC and MHC)are assembled into the original position.
2.Replenish the chamber with the indicated amount of brine (see table on page 4).
3.Secure hose tightly to avoid brine leakage.

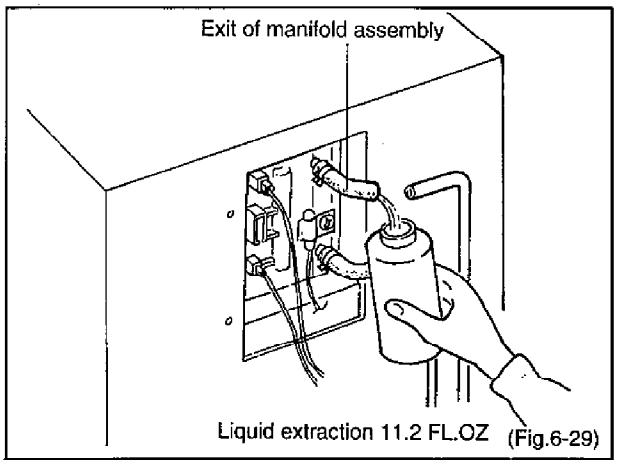
BRINE REMOVAL

In case of failure of pump,skive fin and manifold A'ssy, leakage of brine,brine removal is needed.

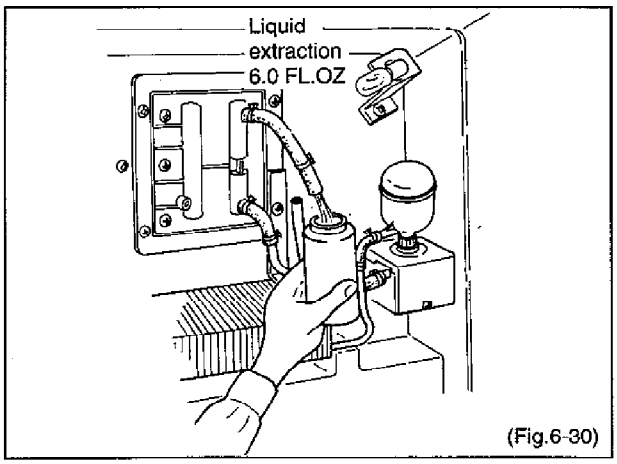
1.Unplug the AC cord.

2.Remove the copper tube from the hose by loosening the clamp.
Use a polyethylene bottle to collect the brine from the system. (see drawing)

3.To remove remaining brine from the circuit pump, plug the AC cord into the AC outlet for 20 sec.



(Fig.6-29)



(Fig.6-30)

⚠ PRECAUTIONS DURING REMOVING

1.Always disconnect connector CON101 from the power supply P.C.B. to avoid supply voltage contact with the Peltier module.

2.Place a cloth under the minibar to keep the floor clean when removing the hose.

3.Unless necessary, do not operate the circuit pump if it does not contain brine.

⚠ CAUTION!

Be careful with the edges of the skive fin and condenser fins.

BRINE REPLENISHMENT

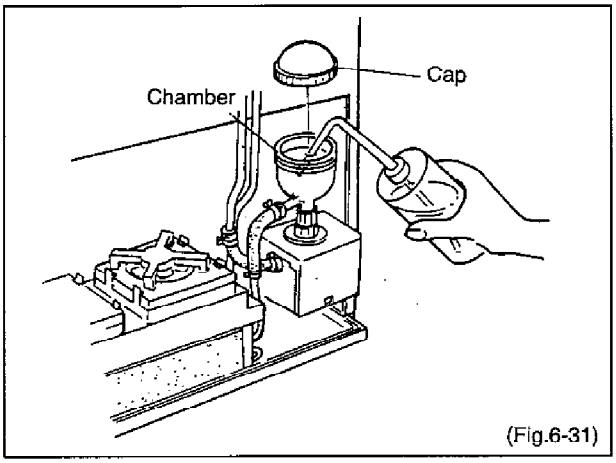
1.Remove cap from the chamber and add 1.4-1.7 FL.OZ of brine, then plug the minibar in.

2.The level of brine will then decrease. To adjust it, unplug and refill the chamber as many times as necessary until it reaches the fill line. Keep the cap open during the process.

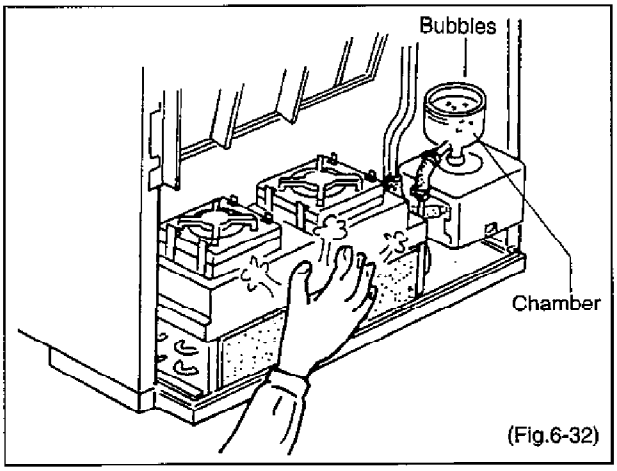
3.After adding brine, tap the condenser for 5-6 minutes to release any trapped air bubbles from the system. (Fig.6-31)

4.Continue to add brine until it reaches the indicated level.

5.Close cap.



(Fig.6-31)



(Fig.6-32)

⚠ Precautions when pouring

1.Never dilute brine with tap water. The minerals content of the water will affect the functioning of the minibar and an earlier freezing point will be reached.

2.Ensure a cloth covers the floor when pouring brine.

3.Check for possible leakage.

4.Before closing the cap, check that the chamber is free of air bubbles and that the correct level has been reached.

Effect of Exposure to Brine (Refrigerant fluid)

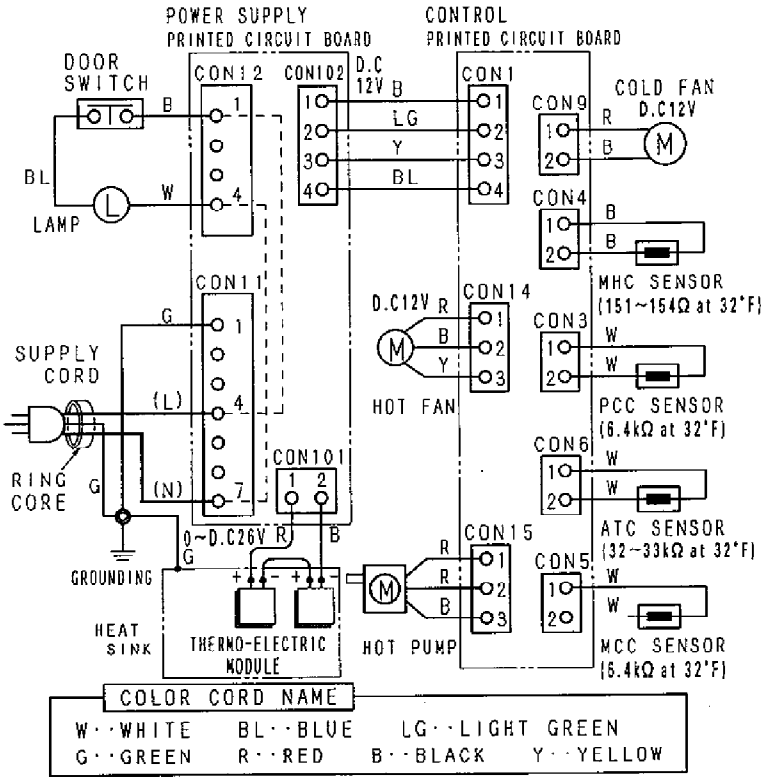
Eyes : Believed to cause slight eye irritation.
Skin : Believed to be slightly irritating upon prolong contact,
Respiratroy System :
Drowsiness, and unconsciousness possible upon exposure to high concentrations in poorly ventilated confined spaces.

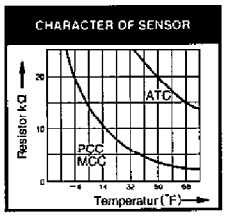
Emergeny and First Aid Procedures

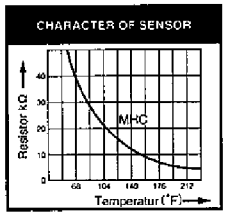
Eyes : Flush with water as needed soap.
Skin : Wash exposed areas with soap and water.
Ingestion : Give large quantities of water, then induce vomiting immediately. Seek medical attention. Do not make unconscious person vomit. Never give anything by mouth to an unconscious person.
Inhalation : Remove to fresh air ; if not breathing apply artificial respiration. Get medical attention, Keep affected person warm and at rest.

WIRING DIAGRAMS

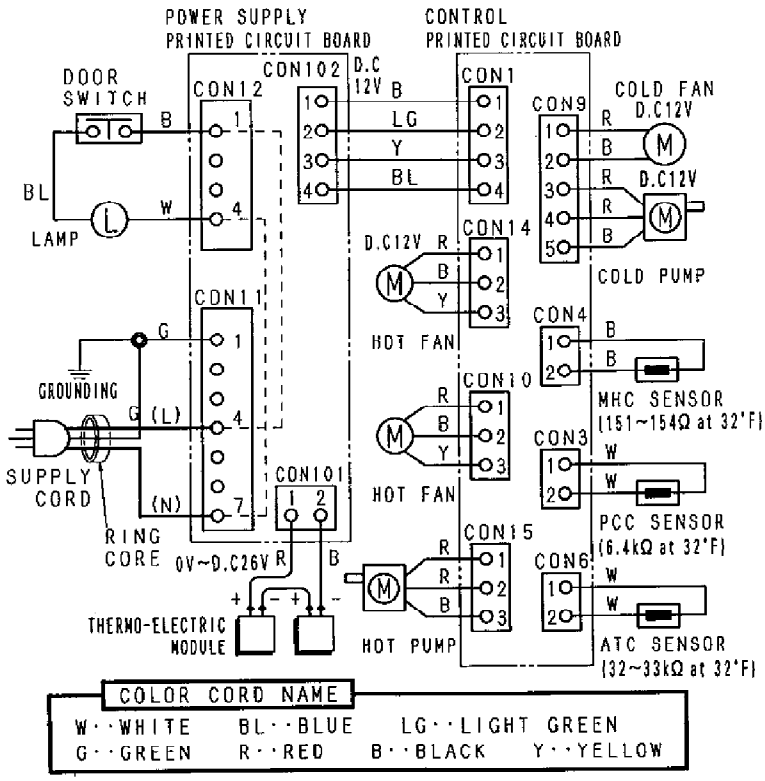
NR-A4U1,AL4U1,AK4U1,AKL4U1



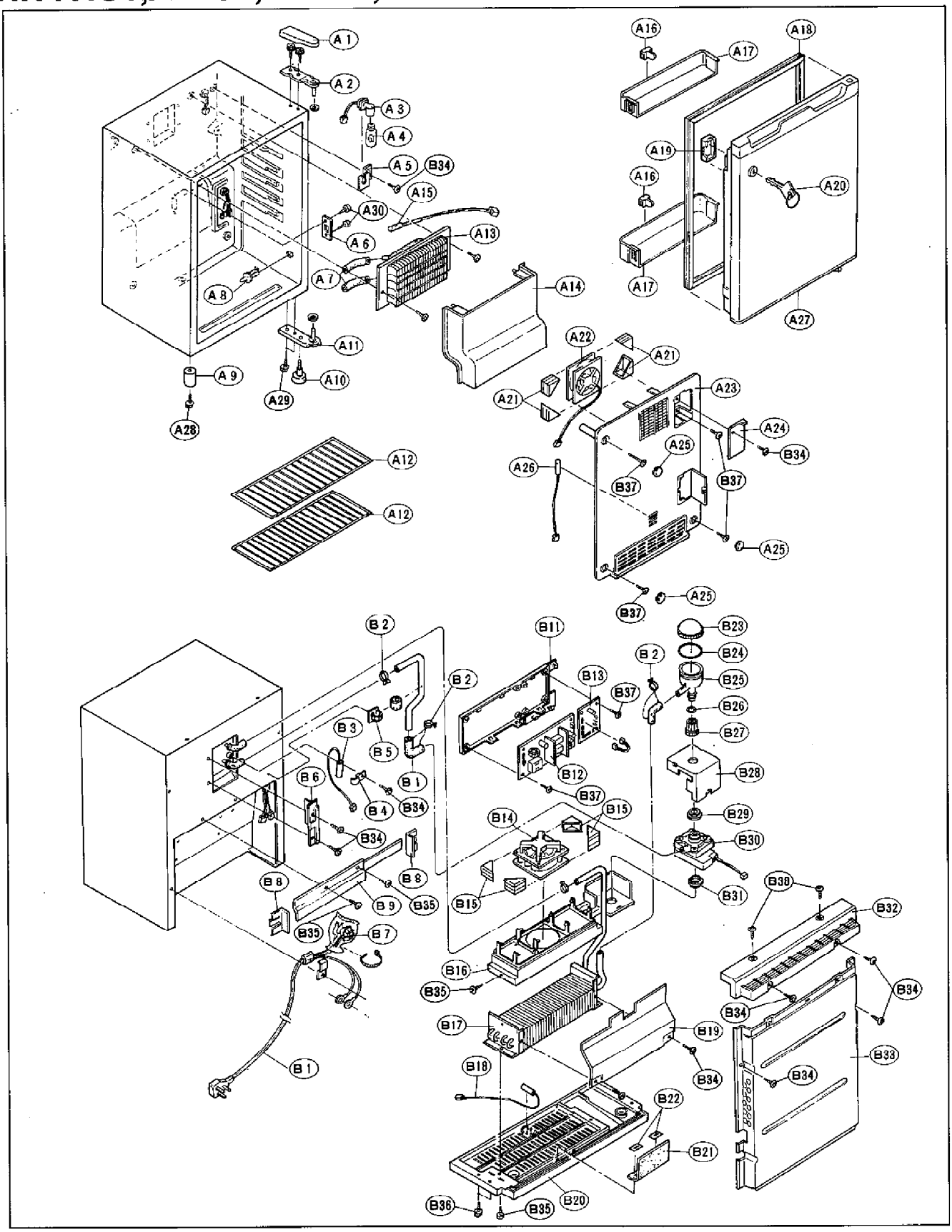




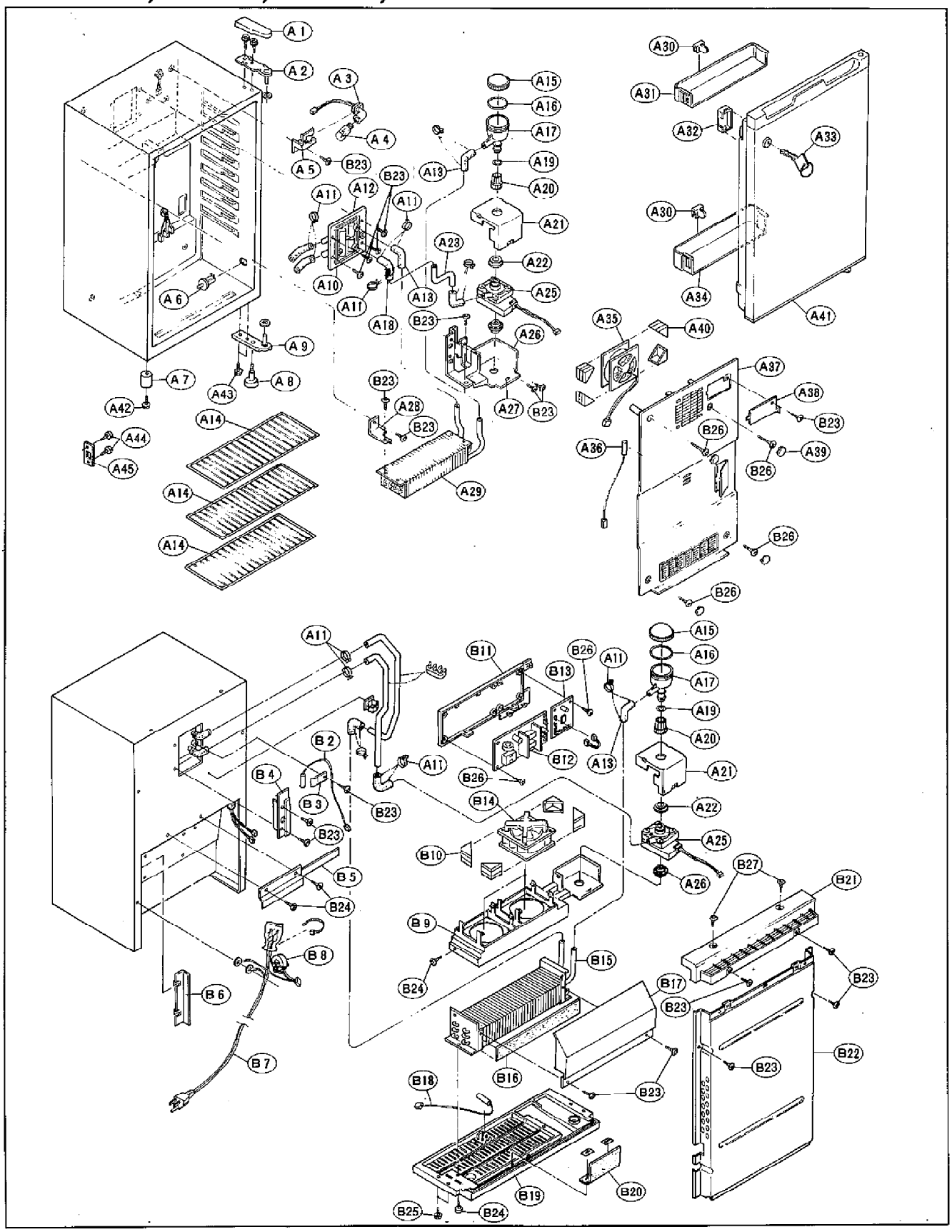
NR-A6U1,AL6U1,AK6U1,AKL6U1



PARTS LOCATION
NR-A4U1,AL4U1,AK4U1,AKL4U1



NR-A6U1,AL6U1,AK6U1,AKL6U1



REPLACEMENT PARTS LIST

NR-A4U1, AL4U1, AK4U1, AKL4U1

Ref.No.	Parts No.	Parts Name & Description	PCS/SET	
A1	CNRAE-100750	Hinge cover -W	1	
	CNR 04-275640	Hinge cover -K	1	
	CNRAE-101660	Hinge cover -LW	1	
	CNRAE-109800	Hinge cover -LK	1	
A2	CNR 04-241540	Hinge -R	1	
	CNR 04-293690	Hinge -L	1	
A3	CNRBG-115220	Light socket	1	
A4	CNR 39-520200	Light	1	
A5	CNRAG-112540	Light holder	1	
A6	CNRAE-109790	Lock stopper	1	
A7	CNRAF-114490	L joint	4	
A8	CNRAG-119130	Door switch	1	
A9	CNR 39-910480	Leg	1	
A10	CNR 38-992260	Adjustable bolt	1	
A11	CNR 04-241510	Bottom hinge -R	1	
	CNRAE-101670	Bottom hinge -L	1	
A12	CNRAH-135800	Net shelf	2	
A13	CNRBF-116000	Skive fin and manifold Ass'y	1	
A14	CNRBC-147410	Duct cover	1	
A15	CNRAG-117180	MCC sensor	1	
A16	CNRAD-120790	Slide stopper	2	
A17	CNRAD-144880	Door shelf	2	
A18	CNRAD-132650	Door gasket -R	1	
	CNRAD-156480	Door gasket -L	1	
A19	CNRAE-106490	Rock pin cover	1	
A20	CNR 04-261470	Key	1	
A21	CNR 39-253270	Rubber cusion	4	
A22	CNRAG-108220	Fan motor	1	
A23	CNRBF-115930	Coil cover	1	
A24	CNRAF-121810	Light cover	1	
A25	CNR 39-161800	Cap	4	
A26	CNRAG-108300	PCC sensor	1	
A27	CNRBD-153550	Door unit -W(A4U1)	1	
	CNRBD-153560	Door unit -K(A4U1)	1	
	CNRBD-153570	Door unit -W(AL4U1)	1	
	CNRBD-153580	Door unit -K(AL4U1)	1	
	CNRBD-153590	Door unit -W(AK4U1)	1	
	CNRBD-153600	Door unit -K(AK4U1)	1	
	CNRBD-153610	Door unit -W(AKL4U1)	1	
	CNRBD-153620	Door unit -K(AKL4U1)	1	
A28	CNR38-115510	Screw	1	
A29	CNR38-175410	Screw	1	
A30	CNR38-114350	Screw	2	
B1	CNRAF-114490	L joint	4	
B2	CNRAG-114300	Hose band	8	
B3	CNRAG-117130	MHC Sensor	1	
B4	CNRAG-116550	Sensor holder	1	
B5	CNRAJ-110550	Pipe clamp	1	
B6	CNRAG-121160	Manifold cover	1	
B7	CNRAG-109490	Ring core Ass'y	1	
B8	CNRAG-116420	PCB cover S	2	
B9	CNRBG-116110	PCB cover	1	
B10	CNR39-490610	Supply cord	1	
B11	CNRAG-112500	Board holder	1	
B12	CNRBG-120370	Power supply P.C.B.	1	
B13	CNRBG-116990	Control P.C.B.	1	
B14	CNRAG-112680	Fan motor	1	

Ref.No.	Parts No.	Parts Name & Description	PCS/SET	
B15	CNR 39-253310	Rubber cusion	4	
B16	CNRAF-124990	Fan bracket	1	
B17	CNRAF-125330	Condenser	1	
B18	CNRAG-116530	ATC Sensor	1	
B19	CNRBG-117180	Fan cover	1	
B20	CNRBF-114450	Crossrail rear	1	
B21	CNRAF-125460	Drainpan collector	1	
B22	CNR 39-070050	Nut	2	
B23	CNRAF-121750	Chamber cap	1	
B24	CNRAF-125050	Chamber seal packing	1	
B25	CNRAF-121740	Chamber	1	
B26	CNRAF-125040	Chamber seal packing T	1	
B27	CNRAF-122980	Hook nut	1	
B28	CNRAG-112490	Pump cover	1	
B29	CNR 39-253250	Pump grommet T	1	
B30	CNRAG-120040	Circulation pump	1	
B31	CNR 39-253260	Pump grommet B	1	
B32	CNRAF-121930	Top grille	1	
B33	CNRAC-129560	Back cover	1	
B34	CNR38-114310	Screw	13	
B35	CNR38-114210	Screw	3	
B36	CNR38-191550	Screw	2	
B37	CNR38-114710	Screw	4	
B38	CNR38-190990	Screw	2	

	CNR71-347370	Brine	1	17.0FL.OZ

NR-A6U1, AL6U1, AK6U1, AKL6U1

Ref.No.	Parts No.	Parts Name & Description	PCS/SET	
A1	CNRAE-100750	Hinge cover -W	1	
	CNR 04-275640	Hinge cover -K	1	
	CNRAE-101660	Hinge cover -LW	1	
	CNRAE-109800	Hinge cover -LK	1	
A2	CNR 04-241540	Hinge -R	1	
	CNR 04-293690	Hinge -L	1	
A3	CNRBG-115220	Light socket	1	
A4	CNR 39-520200	Light	1	
A5	CNRAG-112540	Light holder	1	
A6	CNRAG-119130	Door switch	1	
A7	CNR 39-910480	Leg	2	
A8	CNR 38-992260	Adjustable bolt	1	
A9	CNR 04-241510	Bottom hinge -R	1	
	CNRAE-101670	Bottom hinge -L	1	
A10	CNRAF-114490	L joint L	3	
A11	CNRAG-114300	Hose band	16	
A12	CNRBF-113050	Manifold	1	
A13	CNRAF-120360	L joint 90	3	
A14	CNRAH-135800	Net shelf	3	
A15	CNRAF-121750	Chamber cap	2	
A16	CNRAF-125050	Chamber seal packing	2	
A17	CNRAF-121740	Chamber	2	
A18	CNRAF-114480	L joint S	2	
A19	CNRAF-125040	Chamber seal packing B	2	
A20	CNRAF-122980	Hook nut	2	
A21	CNRAG-112490	Pump cover	1	
A22	CNR 39-253250	Pump grommet T	1	
A23	CNRAF-125120	Manifold joint	1	
A24	CNRAD-133160	Door gasket -R	1	
	CNRAD-144400	Door gasket -L	1	

Ref.No.	Parts No.	Parts Name & Description	PCS/SET	
A25	CNRAG-120040	Pump (COLD)	2	
A26	CNR 39-253260	Pump grommet B	1	
A27	CNRAG-112480	Pump bracket	1	
A28	CNRAF-125090	Coil bracket	1	
A29	CNRAF-125110	Coil	1	
A30	CNRAD-120790	Slide stopper	2	
A31	CNRAD-144880	Door shelf	1	
A32	CNRAE-106490	Rock pin cover	1	
A33	CNR 04-261470	Key	1	
A34	CNRAD-133150	Bottle shelf	1	
A35	CNRAG-108220	Fan motor	1	
A36	CNRAG-116520	PCC sensor	1	
A37	CNRBF-112190	Coil cover	1	
A38	CNRAF-121810	Light cover	1	
A39	CNR 39-161800	Cap	4	
A40	CNR 39-253270	Rubber cusion	4	
A41	CNRBD-148690	Door unit -W(A6U1)	1	
	CNRBD-153060	Door unit -K(A6U1)	1	
	CNRBD-153070	Door unit -W(AL6U1)	1	
	CNRBD-153080	Door unit -K(AL6U1)	1	
	CNRBD-153090	Door unit -W(AK6U1)	1	
	CNRBD-153100	Door unit -K(AK6U1)	1	
	CNRBD-153110	Door unit -W(AKL6U1)	1	
	CNRBD-153120	Door unit -K(AKL6U1)	1	
A42	CNR38-115510	Screw	1	
A43	CNR38-175410	Screw	1	
A44	CNR38-114350	Screw	2	
A45	CNRAE-109790	Lock stopper	1	
B1	CNRAF-121890	Hot coil outlet tube	1	
B2	CNRAG-117130	MHC sensor	1	
B3	CNRAG-116550	Sensor holder	1	
B4	CNRAG-116460	Manifold cover	1	
B5	CNRBG-116110	PCB cover	1	
B6	CNRAG-116410	PCB cover S	1	
B7	CNR39-490610	Supply cord	1	
B8	CNRAG-109490	Ring core Ass'y	1	
B9	CNRAF-121800	Hot fan bracket	1	
B10	CNR 39-253310	Rubber cusion	8	
B11	CNRAG-112500	Board holder	1	
B12	CNRBG-115100	Control P.C.B.	1	
B13	CNRBG-115090	Power supply P.C.B	1	
B14	CNRAG-112680	Fan motor	2	
B15	CNRAE-121770	Condenser	1	
B16	CNRAJ-111720	Defrector foam	1	
B17	CNRBG-116000	Hot fan cover	1	
B18	CNRAG-116530	ATC sensor	1	
B19	CNRBF-112220	Crossrail rear	1	
B20	CNRAF-125000	Drain sponge	1	
B21	CNRAF-121930	Top grille	1	
B22	CNRAC-129030	Back cover	1	
B23	CNR38-114310	Screw	10	
B24	CNR38-114210	Screw	3	
B25	CNR38-191550	Screw	2	
B26	CNR38-114710	Screw	4	
B27	CNR38-190990	Screw	2	

	CNR71-347370	Brine	1	17.0FL.OZ